

RV Intelligence WoBLR II

Thank you for choosing the WoBLR II, 2nd generation, remote RV Level from RV Intelligence. The WoBLR II connects to the smartRV App (**NOTE:** this is a change from the 1st generation devices which connect to the WoBLR App) is designed to operate from both Android and Apple products. Please note that the Android operating system is open source, and each phone has its own custom version, almost all Android phones work perfectly fine, but there is a very small but real possibility of stability issues when using Android based phones. If you have issues using our app, please make sure your phone's software is up to date. Additionally, be aware that if your provider issues a software update, there can be short term issues as they resolve concerns. If the problem persists please contact us at support@rvigproducts.com and include any data you can about your phone, brand, model number and if you are able the software version numbers. We constantly evaluate and update our apps; an issue today may be resolved tomorrow with your help.

Please take a moment and look at the other cool RV products we have created at WWW.RV-INTELLIGENCE.COM

Thank you from RV Intelligence.

Inside you will find these directions, happy leveling!

Section 1: Getting Started Guide

Section 2: The smartRV App

Section 3: Mounting, Orienting and Calibrating

Section 4: User Selectable Features

Section 5: WoBLR II Advanced Features

Section 1: Getting Started Guide

RV Intelligence thanks you for your purchase of the World's Best Level for RVs "The WoBLR II", we hope you have many happy camping experiences, with a quickly and easily leveled trailer. Following the quick start guide, you will be leveling in minutes. Our new features include longer battery life, longer operating range, selectable power levels to choose more battery life, user selectable automatic deep sleep, to prevent needless battery life reduction on device data retention, it remembers all its data for you. Best of all, the new user interface TALKs to you, you are totally free to level your RV, just listen to the app and when it says level, you are!



The WoBLR II can be mounted flat or on any wall in your RV, except a wall that is not square to the frame of the RV. The default orientation of the WoBLR II is as shown at left, flat on a surface with the wide end pointing forward. The unit arrives uncalibrated, it must be calibrated when your trailer is level, so that it can learn that measurement and store it. To set up the WoBLR II there are a few simple steps:

1. Make sure that your RV is very level
2. Mount the WoBLR II in your RV
3. Download the smartRV app for your device
4. Connect to the WoBLR II with the smartRV app
5. Set the correct orientation of the mounted unit in the smartRV app
6. Select Calibrate on the options page
7. You should see the display with the ball in the center, and the app saying "level"

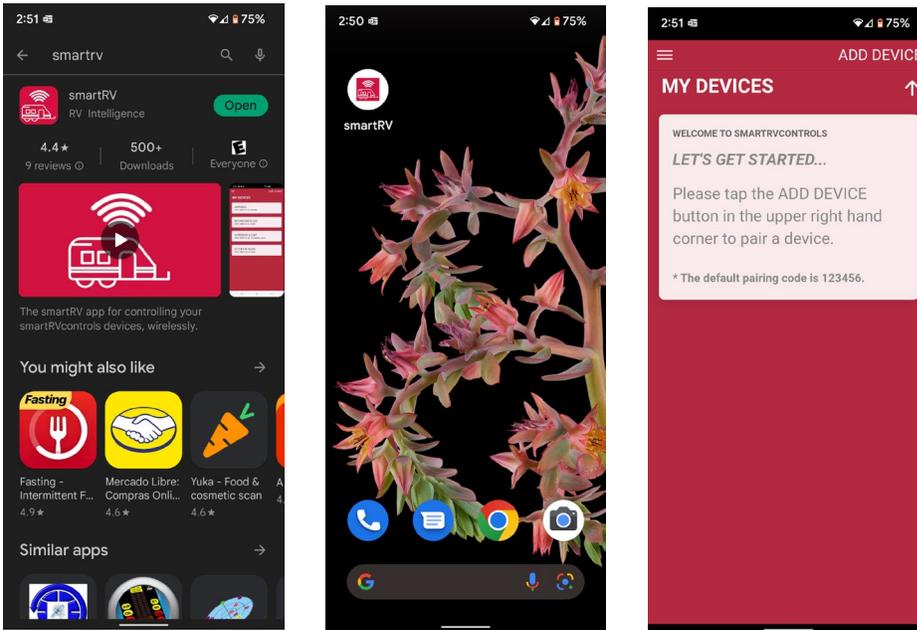


Now that the WoBLR II is mounted, oriented and calibrated, it will provide years of easy and reliable leveling. Your battery will last approximately one year, if you leave the WoBLR II turned on and ready to level at all times, with the factory default settings. To increase battery life you can: 1. Remember to turn off your WoBLR II using the main power switch as part of your RV shutdown procedure, 2. Change the reconnection speed setting, the slowest setting will make the battery last up to 3+ years, 3. Turn on the "Automatically Shutdown Device" feature which will place the WoBLR II in a deep sleep state, after the selected days, once you have disconnected from the device. These features are detailed in the section called "WoBLR II user selectable features".

Section 2: The smartRV App

The smartRV app is the app used to connect, configure and operate the WoBLR II, the smartRV app can also connect to, configure and control our [smartRVcontrols remote control modules](#) for awnings, slides, jacks and lights. We have more products in development that will also use the smartRV app, we hope you enjoy our other products also.

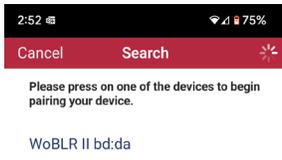
Search for smartRV (**NOTE** the case) application on [Apple iTunes](#) or [Google Play](#), Download the smartRV Application. Install the application and start it.



Turn on your WoBLR II, then touch the connection “ADD DEVICE” label in the upper right-hand side of the app. The app will begin searching for compatible devices, it can find products other than WoBLR IIs, so do not be surprised. The words “WoBLR II A1:B2” will appear on the screen, the letters A, B and number 1,2 are representative, the four characters are the last four elements of the unit's very unique name, in the example of this document, the name is WoBLR II DB:DA. The characters can range from 0 to 9 or A to F.

The search will result in the WoBLR II DB:DA (example) being shown in the below left image. Simply touching this name will result in the WoBLR II being connected and bonded to your phone, as seen in the middle image, that device connection bar will remain and be the way you connect to the WoBLR II in the future. Touching the connection bar will cause the app to search for and connect to your WoBLR, which will immediately begin show level information right away.

IF YOU ARE NOT ORIENTED AND CALIBRATED THIS DATA WILL BE WRONG.



RAISE DRIVER NaN"



Section 3: Mounting, Orienting and Calibrating

Mounting

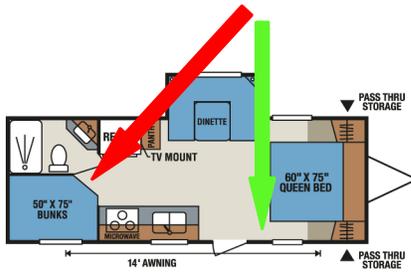
The WoBLR comes with a magnetic holding base, and three screws to mount it to a cabinet, wall, door and any other surface in your RV. You can place your WoBLR in an RV's external storage lockers, If you do decide to place your WoBLR II in a storage area, please ensure that the WoBLR II is:



- ★ NOT IN DIRECT SUNLIGHT
- ★ NOT EXPOSED TO WEATHER
- ★ NOT EXPOSED TO WASH WATER

You can mount your WoBLR anywhere you want in your RV, on any surface that is square (or plum as a builder would say) to the RV's frame. The WoBLR can be mounted on a Wall or flat Surface, on the Wall it must be mounted so that the wide end points up, said another way, so that the words are not upside down.

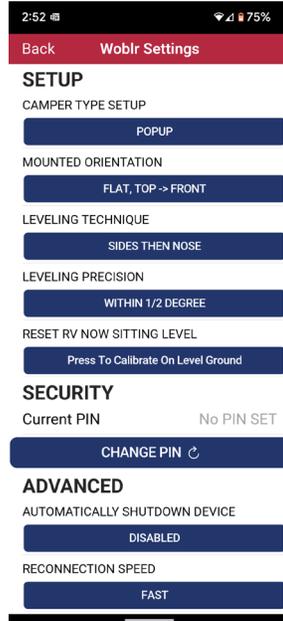
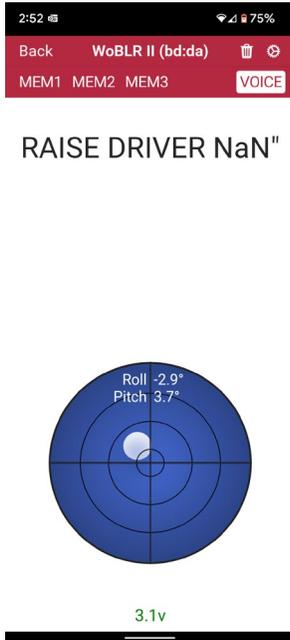
The only restrictions we have for mounting the WoBLR is to mount it true, not at an odd angle or angled wall. Below are examples of good and bad angles of mounting.



No angled Interior walls

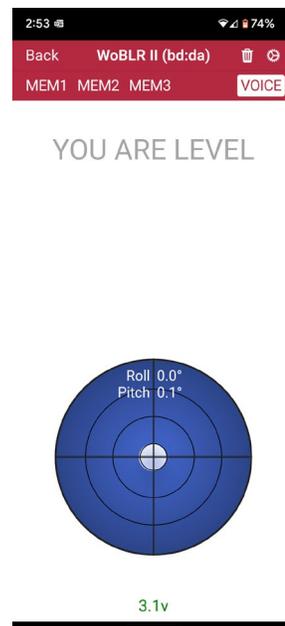
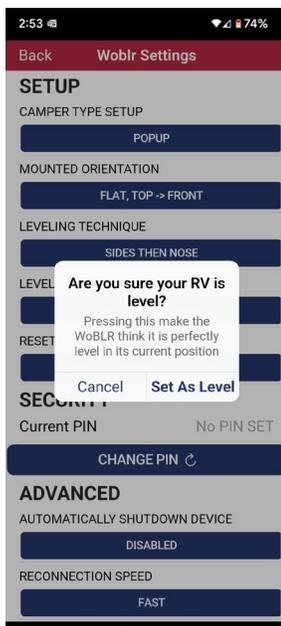
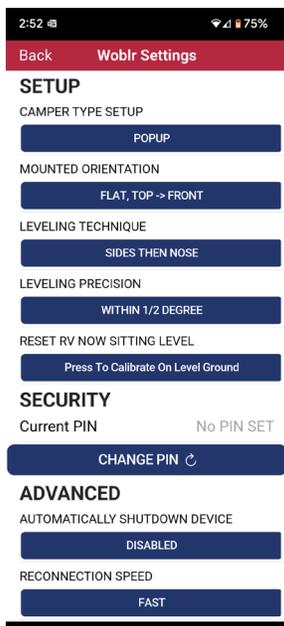
Orienting

Now that the WoBLR II is mounted, you must select the correct orientation to allow the unit to correctly display level data. In the upper right corner of the app screen is a wheel icon, touching that will bring up the SETUP page, the second bar on the SETUP page is the MOUNTED ORIENTATION bar, touching that bar brings up the orientation selection list. There are eight (8) selections to choose from, four (4) are for lying flat on a surface, the direction is the way the wide end of the WoBLR II is facing, for the four (4) wall mounting, the direction is the wall the WoBLR II is mounted on, hence DRIVER WALL is the wall on the driver side of the RV, the left wall if you are facing forward.



Calibrating

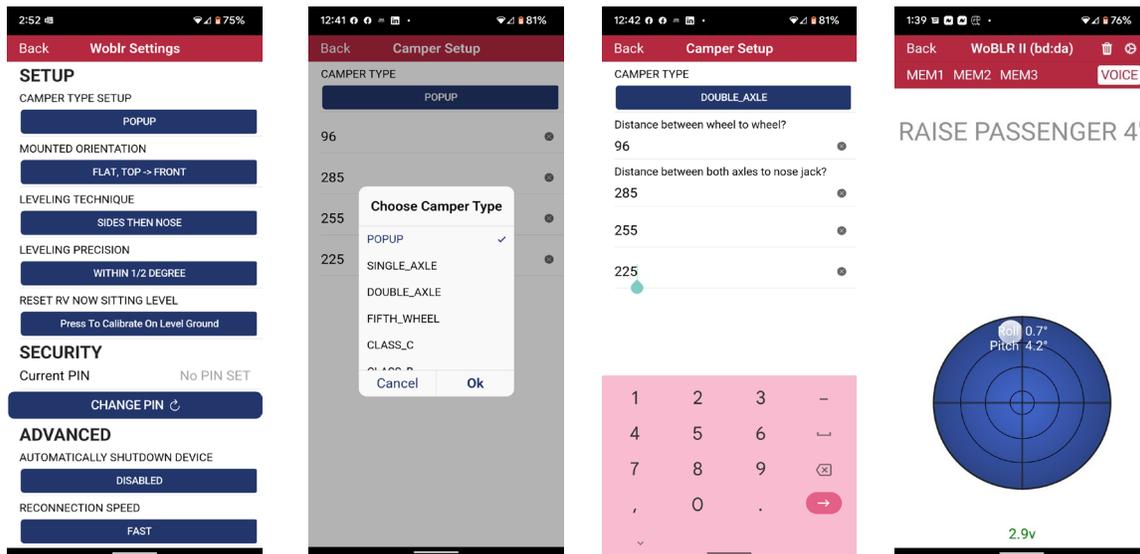
Now that the WoBLR II is mounted, and is oriented, you must now calibrate the unit. It is a simple process, but it will only remember the level that you show it. Your RV must be level when the WoBLR II is calibrated, then it will correctly return to that “zero” every time. The unit may be calibrated at any time. Navigate to the SETUP page by touching the wheel icon on the main page, then touch the bar RESET RV NOW SITTING LEVEL, which brings up the pop up question box, select “Set As Level” and then touch “Back” to return to the main screen, your WoBLR II will then show a perfect (0.0,0.0) degrees, and state “You are level”, the display will fluctuate with a small amount of error, +/- 0.1, this value is not significant in the measure of level, and shows you that the WoBLR is active and correctly displaying, if the fact that the value is moving by the small amount.



Section 4: User Selectable Features

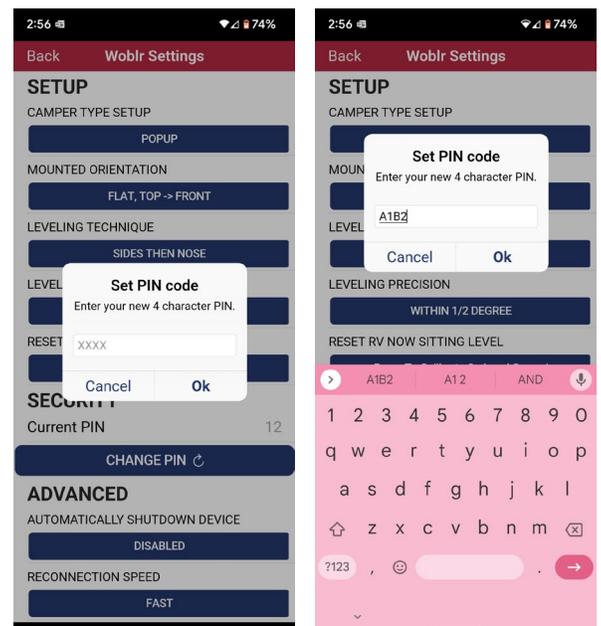
RV Specific Information

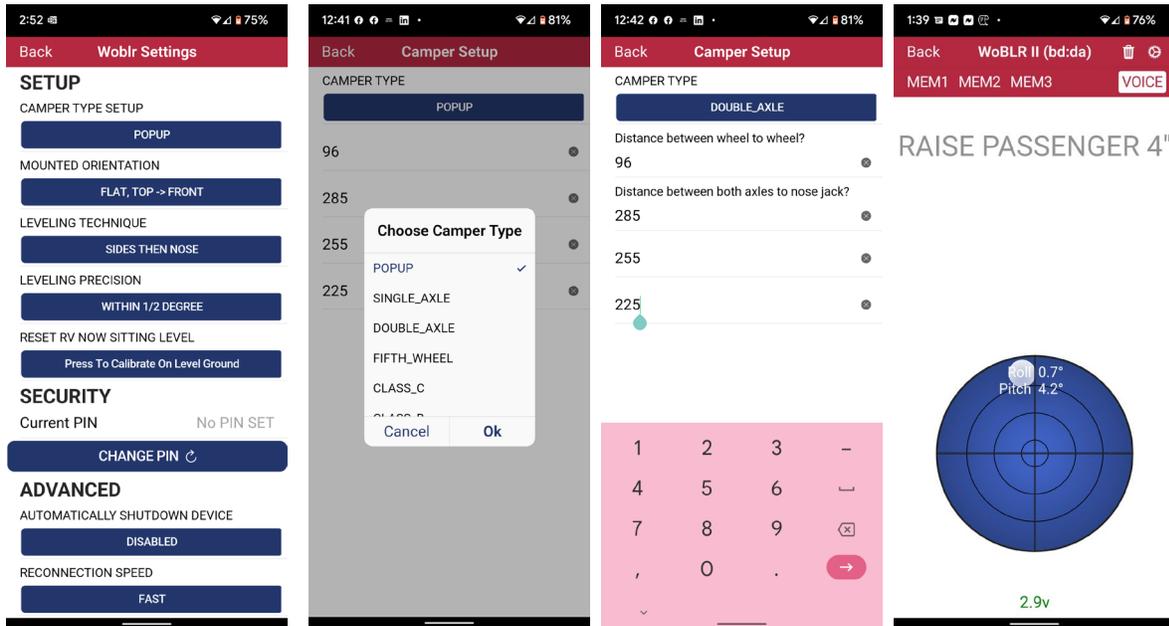
The smartRV app allows the user to input specific data about their RV to allow the WoBLR II and smartRV app to display very accurate information about the amount of distance the user must adjust the RV on that axis to bring it into level. Selecting the SETUP page from the main screen by touching the wheel icon, then selecting the “CAMPER TYPE SETUP” bar, brings up the data input popup. Select your style of camper from the dropdown list, and press OK. Then Enter the measurements requested. Now when you return to the main screen you will see that the display now shows you the offset in inches.



Setting a PIN

The PIN code for the WoBLR II is more of a safety lock, than a true PIN, it simply does not allow any settings to be changed, or for the level to be calibrated, unless the PIN is sent first, to unlock. Also, if someone else connects to your WoBLR II, if they do not have the PIN, they can monitor it, but they cannot change anything. The default is “No Pin Set”, the PIN can be any four (4) characters or letters, Upper or lower case.



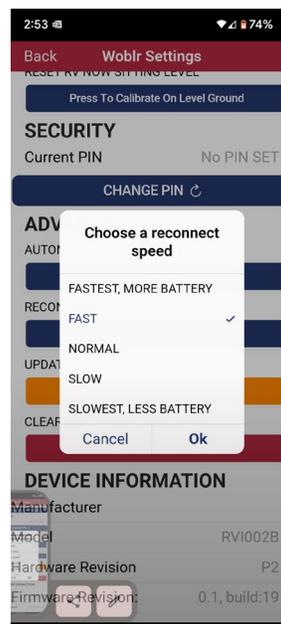


User Selectable Adjustments

- Reconnect Speed
- Shutdown Days
- Leveling Precision
- Leveling Technique

The WoBLR II has some options for you to select to customize your experience and get your best value from our product.

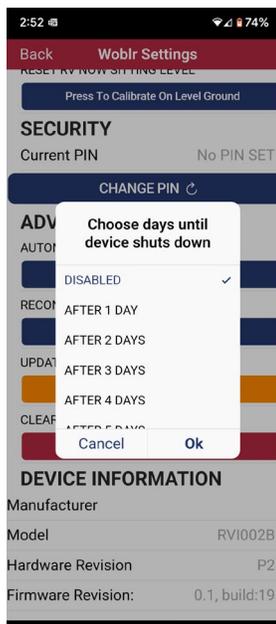
The **Reconnect Speed** is the amount of time that the unit takes to recognize that you want to connect with it, and the amount of time it takes to actually connect. The tradeoff is battery life (with the power switch left on), the more responsive the shorter the battery life. The default is FAST, which gives a battery life of approximately one (1) year of constant on time. Whereas SLOWEST, LESS BATTERY give three (3) years of battery life, but reconnection times can be as long as 30 seconds, be patient!



AUTOMATICALLY SHUTDOWN DEVICE does exactly that, once you disconnect, the unit starts counting days. After the number of days you select, the WoBLR II enters a power shutdown mode and the WoBLR II reduces power consumption so low that for all practical purposes it is turned off.

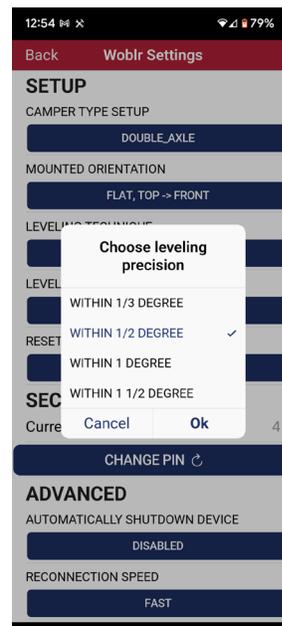
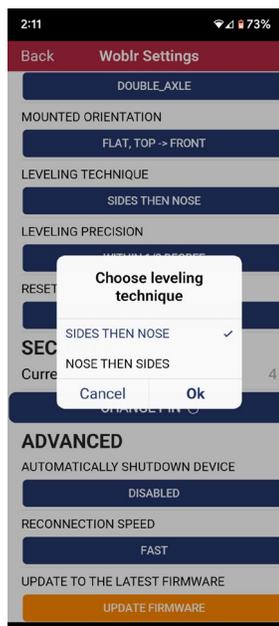
****It does require a power cycle of the main power switch to be used again****

The value to you is you will still have a good battery to level your RV with. If you normally camp for a week and might need to have the WoBLR II ready to go at any time for setup or breakdown, by selecting 8 days, ensures that after you last use if you intentionally or accidentally do not turn off the power switch, the unit will enter shutdown on its own after 8 days, saving the battery for your next camping adventure.



LEVELING TECHNIQUE was a topic of some team debate. What you are selecting is which axis to level first, nose or side to side. It is merely a preference you can change at any time. Since the smartRV app speaks to you, you would not want it saying two things at once!

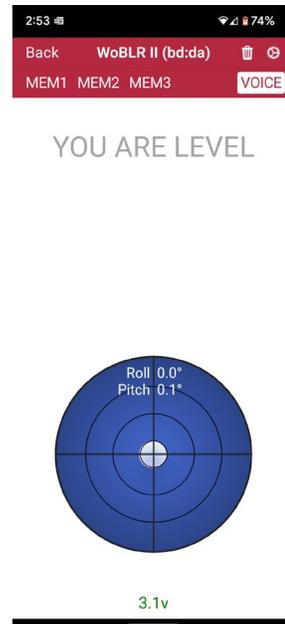
LEVELING PRECISION allows the tradeoff between faster leveling and more accurate leveling. The selection is how accurately you would like the unit to expect to be at ZERO.



Section 5: WoBLR II Advanced Features

AUDIO ANNOUNCEMENTS

The smartRV app allows the user to select to hear a voice prompt of which direction to adjust the current axis of focus, you may hear “RAISE NOSE” or “RAISE DRIVER”, when that axis is level you will hear “LEVEL”. Touching the word “VOICE” on the app main screen will toggle on and off voice prompts.



BATTERY VALUE

The smartRV app shows the actual battery voltage at the bottom center of the screen in VOLTS, The standard CR2032 battery used has a useful battery voltage range of 2.0V to 3.6V. A voltage of less than 2.1 volts is the minimum safe operating voltage. If the battery reports 2.1V or less, please replace the battery with a CR2032 coin cell immediately. A second battery test is the RED led on the module. On a power cycle it will blink at a one second rate, 5 flashes is a full battery, 1 flash is a battery at minimum that needs replacing.



Happy Leveling from RV Intelligence!